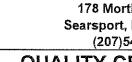


## **BSI-Inspectorate America** 178 Mortland Road Searsport, Maine 04974 (207)548-6440





## **QUALITY CERTIFICATE**

Vessel

SHORE TANK NO. 3

Customer Operation

**SPRAGUE ANALYSIS** 

Port Date SEARSPORT, MAINE

April 7, 2003 Terminal

**SPRAGUE** 

Report

SP/03/0405

Reference

Sample # 287216

Name of material being tested Description of sample source Samples Drawn by (company) Samples Tested by (company)

## NO. 6 FUEL OIL 2.0%

EX. SHORE TANK NO. 3 AFTER DISCHARGE OF NORMAN MCLEOD **INSPECTORATE INSPECTORATE** 

Tests being Performed	Test method	Minimum Maximum	Sample Source
•			
GRAVITY, API @ 60 F	ASTM D 4052		10.4
FLASH POINT, F	ASTM D 93		200+
VISCOSITY, SSF @ 122 F	ASTM D 445/2161		151.1
POUR POINT, F	ASTM D 97		+39.4
WATER & SEDIMENT, % VOL.	ASTM D 1796		0.25
ISULPHUR, % WT.	ASTM D 4294		1.90
3H, % WT.	ASTM D 482		0.058
VANADIUM, PPM	AA/AE		88
SODIUM, PPM	AA/AE		11
BTU'S/POUND	CALCULATION		18,228
BTU'S/GALLON	CONVERSION		151,384
NITROGEN, % WT.	ASTM D 3228		0.414
CARBON RESIDUE, % WT.	ASTM D 4530		11.09
ASPHALTENES, % WT.	IP-143		5.39
THE ATTACHED CERTIFICATE REPRESENTS THE PRODUCT INSPECTED  BY THE INSPECTION SERVICE ON THE DATE STATED ON THE  CERTIFICATE IN THE TANK STATED BY THE INSPECTION SERVICE. SPRAGUE  REPRESENTS THAT ANY PRODUCT IT MAY SELL AT THE RACK MAY DIFFER  FROM SUCH INSPECTION CERTIFICATE BUT SUCH PRODUCT SHALL  MEET THE SPECIFICATIONS AS MAY BE REQUIRED BY ANY APPLYABLE  MEET THE STATE THAT THE PRODUCT IS SOLD.			
MEET THE SPECIFICATIONS AS MAY BE RESO REGULATIONS WITHIN THE STATE THAT THE	PRODUCT IS SULU.		

**DENNIS E. CURTIS** 

Inspectorate America Corp (Searsport, Me.)